

ALTERNATIVE TO PTO/SB/08a/b (06-03)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	15	Attorney Docket Number	416272003600

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Spc	51.	International Search Report mailed on April 13, 2004, for PCT application no. PCT/US03/20052 filed on June 25, 2003, 3 pages	
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*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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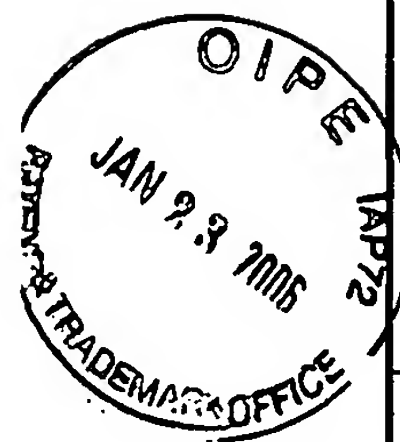
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/SBC/	27.	Australian Patent Office Search Report mailed August 26, 2005, for Singapore patent application no. SG 200500571-5, filed July 25, 2003, 5 pages	
	28.	COLLINS, Michelle L. et al. (Jan. 31, 2003) "Measurement of mitochondrial DNA synthesis in vivo using a stable isotope-mass spectrometric technique," J Appl Physiol, 94: 2203-2211	
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	30.	International Search Report mailed August 1, 2005, for PCT application no. PCT/US2005/08265, filed March 11, 2005, 4 pages	
	31.	LUTTON, C. et al. (1990) "Critical analysis of the Use of ¹⁴ C-acetate for Measuring In Vivo Rat Cholesterol Synthesis," Reprod Nutr Dev, 30: 71-84	
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	35.	SCHEIBNER, Jurgen et al. (1993) "Bile Acid Synthesis from Newly Synthesized Vs. Preformed Cholesterol Precursor Pools in the Rat," Hepatology, 17: 1095-1102	
↓	36.	Supplementary Partial European Search Report mailed August 17, 2005, for European patent application no. EP 03749756.7, filed September 15, 2003, 6 pages	

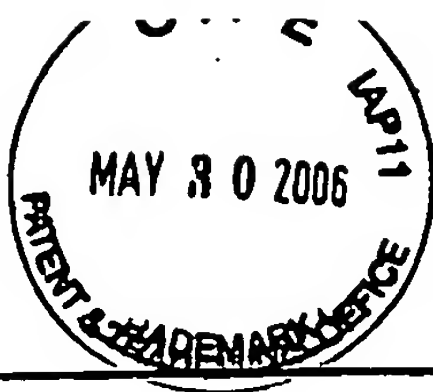
Examiner Signature	/Stacy B. Chen/	Date Considered	12/18/2007
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	416272003600

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ALTERNATIVE TO PTO/SB/08a/b (07-05)

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				Application Number	10/526,860
				Filing Date	September 4, 2003 (PCT/US03/27623)
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/SBC/	1.	US-5,167,948	12-01-1992	Wenzel	
↓	2.	US-6,071,245	06-06-2000	Kohno et al.	
↓	3.	US-6,329,208	12-11-2001	Jones et al.	
↓	4.	US-2006/0029549-A1	02-09-2006	Hellerstein	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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/SBC/	5.	GUO, Z.K. et al., (2000) "De novo lipogenesis in adipose tissue of lean and obese women: application of deuterated water and isotope ratio mass spectrometry," International Journal of Obesity, 24: 932-937	
↓	6.	HELLERSTEIN, Marc K. et al. (1986) "Glycoconjugates as Noninvasive Probes of Intrahepatic Metabolism: Pathways of Glucose Entry into Compartmentalized Hepatic UDP-glucose Pools during Glycogen Accumulation." Proceedings of the National Academy of Sciences of the United States of America 83, Issue 18: 7044-7048	
↓	7.	HELLERSTEIN, Marc K. et al. (1997) "Measurement of Hepatic Ra UDP-glucose in Vivo in Rats: Relation to Glycogen Deposition and Labeling Patterns" Am. J. Physiol. 272: E155-E162	
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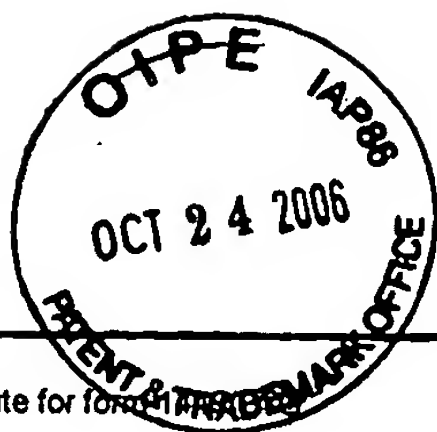
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				Art Unit	1648
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		Engineering, 6: 85-100	
/SBC/	10.	MORSCHES, Bernhard (1976) "Tierexperimentelle Untersuchungen über die Beziehungen zwischen der Hydroxyprolinausscheidung im Urin und den Hydroxyprolinfraktionen im Serum," Der Hautarzt, 27: 234-242 abstract only	
/SBC/	11.	RAVICHANDRAN, L.V. et al., (June 1991) "In vivo labeling studies on the biosynthesis and degradation of collagen in experimental myocardial infarction," Biochemistry Journal, 24(3): 405-414	
/SBC/	12.	SCHEIBNER, Jurgen et al. (1999) "Complex Feedback Regulation of Bile Acid Synthesis in the Hamster: The Role of Newly Synthesized Cholesterol," Hepatology, 30: 230-237	
/SBC/	13.	Supplementary Partial European Search Report mailed March 9, 2006, for European patent application no. EP 03713429.3, filed February 12, 2003, 6 pages	

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				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
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/SBC/	1.	US-5,026,909	06-25-1991	Zolotarev et al.	
↓	2.	US-5,665,377	09-09-1997	Gonella et al.	
↓	3.	US-6,117,656	09-12-2000	Seed	
↓	4.	US-2005/0255509	11-17-2005	Hellerstein et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
/SBC/	5.	SU-968036		10-25-1982	Dombrovski et al.	abstract only	

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/SBC/	6.	COLLINS, M. et al. (Mar. 15, 2000) "A Method for Measuring Mitochondrial Proliferation In Vivo Using 2H20 Incorporation Into Mitochondria DNA," FASEB Journal, 14(4):A620	
	7.	EMKEN, Edward A. et al. (1983) "Incorporation of deuterium-labeled <i>trans</i> - and <i>cis</i> -13-octadecenoic acids in human plasma lipids," Journal of Lipid Research, 24: 34-41	
	8.	HELLERSTEIN, Marc K. (1996) "Synthesis of Fat in Response to Alterations in Diet: Insights from New Stable Isotope Methodologies," Lipids, 31(Supp):S117-S125	
	9.	International Search Report and Written Opinion mailed August 8, 2006, for international application no. PCT/US05/10429, filed March 29, 2005, 15 pages	
	10.	NAGASAKA, Shoichiro et al. (May 1999) "Endogenous Glucose Production and Glucose Effectiveness in Type 2 Diabetic Subjects Derived From Stable-Labeled Minimal Modal Approach," Diabetes, 48: 1054-1056	
	11.	Supplementary Partial European Search Report mailed July 25, 2006, for European patent application no. 02806603, filed October 23, 2002	
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ALTERNATIVE TO PTO/SB/08A/B (04/07)

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				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
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/SBC/	1.	US-5,916,537-A	06-29-1999	Kajiwara et al.	
	2.	US-5,924,995-A	07-20-1999	Klein et al.	
	3.	US-6,031,228-A	02-29-2000	Abramson	
	4.	US-6,355,416-B1	03-12-2002	Abramson	
	5.	US-6,642,059-B2	11-04-2003	Chait et al.	
	6.	US-6,835,927-B2	12-28-2004	Becker et al.	
	7.	US-20030119069-A1	06-26-2003	Schneider et al.	
	8.	US-20030211036-A1	11-13-2003	Degani et al.	
	9.	US-6,680,203-B2	01-20-2004	Dasseux et al.	
	10.	US-20040121305-A1	06-24-2004	Wiegand et al.	
	11.	US-20040191916-A1	09-30-2004	Gross et al.	
	12.	US-20050014181-A1	01-20-2005	Galis et al.	
	13.	US-20050092910-A1	05-05-2005	Geromanos et al.	
	14.	US-20050118724-A1	06-02-2005	Bateman et al.	
	15.	US-6,902,719-B2	06-07-2005	Wagner	
	16.	US-6,906,320-B2	06-14-2005	Sachs et al.	
	17.	US-20050153346-A1	07-14-2005	Schneider	
	18.	US-20050175982-A1	08-11-2005	Iwatani et al.	
	19.	US-20050221278-A1	10-06-2005	Iwatani et al.	
	20.	US-20050281745-A1	12-22-2005	Lee et al.	
	21.	US-20060100903-A1	05-11-2006	Lee et al.	
	22.	US-20060105322-A1	05-18-2006	Iwatani et al.	
	23.	US-7,048,907-B2	05-23-2006	Groman et al.	
	24.	US-7,057,168-B2	06-06-2006	Miller et al.	
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	26.	US-7,084,396-B2	08-01-2006	Schneider	

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	27.	WO-06050130-A2	05-11-2006	Target Discovery Inc.		
	28.	WO-06081521-A2	08-03-2006	The Regents of the University of Colorado		
✓	29.	WO-06107814-A2	10-12-2006	Washington University in St. Louis		

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		Application Number	10/526,860		
		Filing Date	September 4, 2003		
		First Named Inventor	Marc K. HELLERSTEIN		
		Art Unit	1648		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	416272003600

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/SBC/	30.	LEFEBVRE, P. J. (January 1979). "Naturally Labeled 13C-Glucose: A New Tool to Measure Oxidation Rates of Exogenous Glucose," <i>Diabetes</i> 28(Suppl. 1): 63-65.	
	31.	ROYLE, G. T. et al. (1981). "Techniques for Investigating Substrate Metabolism in Patients," <i>Annals of the Royal College of Surgeons of England</i> 63:415-419.	
	32.	BIER, D. M. (November 1987). "The Use of Stable Isotopes in Metabolic Investigation," <i>Balliere's Clinical Endocrinology and Metabolism</i> 1(4):817-836.	
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/SBC/	1.	US-20050147558-A1	07-07-2005	Hellerstein	
	2.	US-20050202406-A1	09-15-2005	Hellerstein	
	3.	US-20050201937-A1	09-15-2005	Hellerstein	
	4.	US-20050238577-A1	10-27-2005	Hellerstein	
	5.	US-20050249664-A1	11-10-2005	Hellerstein	
	6.	US-20060020440-A1	01-26-2006	Hellerstein	
	7.	US-7,001,587-B2	02-21-2006	Hellerstein	
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	9.	US-20060094057-A1	05-04-2006	Hellerstein	
	10.	US-20060204439-A1	09-14-2006	Hellerstein	
	11.	US-20060251576-A1	11-09-2006	Hellerstein	
	12.	US-20060280682-A1	12-14-2006	Hellerstein	

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/SBC/	13.	Maric, D. et al. (2000). "Functional Ionotropic Glutamate Receptors Emerge During Terminal Cell Division and Early Neuronal Differentiation of Rat Neuroepithelial Cells," <i>Journal of Neuroscience Research</i> 61(6):652-662.	
	14.	United States Patent Application No. 11/796,438, filed April 26, 2007 for Hellerstein.	
	15.	U.S. Office Action mailed on July 21, 2006, for U.S. Application No. 10/963,967 filed on October 12, 2004, 7 pages.	
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	17.	U.S. Office Action mailed on March 5, 2007, for U.S. Application No. 10/366,125 filed on February 12, 2003, 6 pages.	
	18.	U.S. Office Action mailed on June 26, 2006, for U.S. Application No. 10/366,125 filed on February 12, 2003, 11 pages.	
	19.	U.S. Office Action mailed on October 18, 2005, for U.S. Application No. 10/366,125 filed on February 12, 2003, 29 pages.	
	20.	U.S. Office Action mailed on March 30, 2006, for U.S. Application No. 10/664,513 filed on September 16, 2003, 15 pages.	

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/SBC/	21.	U.S. Office Action mailed on October 20, 2005, for U.S. Application No. 10/664,513 filed on September 16, 2003, 12 pages.	
	22.	U.S. Office Action mailed on August 8, 2006, for U.S. Application No. 10/519,121 filed on December 23, 2004, 8 pages.	
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				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	416272003600

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Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/SBC/	1.	US-20050147558-A1	07-07-2005	Hellerstein	
	2.	US-20050202406-A1	09-15-2005	Hellerstein	
	3.	US-20050201937-A1	09-15-2005	Hellerstein	
	4.	US-20050238577-A1	10-27-2005	Hellerstein	
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	8.	US-7,022,834-B2	04-04-2006	Hellerstein	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/SBC/	13.	Maric, D. et al. (2000). "Functional Ionotropic Glutamate Receptors Emerge During Terminal Cell Division and Early Neuronal Differentiation of Rat Neuroepithelial Cells," <i>Journal of Neuroscience Research</i> 61(6):652-662.	
	14.	United States Patent Application No. 11/796,438, filed April 26, 2007 for Hellerstein.	
	15.	U.S. Office Action mailed on July 21, 2006, for U.S. Application No. 10/963,967 filed on October 12, 2004, 7 pages.	
	16.	U.S. Office Action mailed on January 11, 2007, for U.S. Application No. 10/963,967 filed on October 12, 2004, 6 pages.	
	17.	U.S. Office Action mailed on March 5, 2007, for U.S. Application No. 10/366,125 filed on February 12, 2003, 6 pages.	
	18.	U.S. Office Action mailed on June 26, 2006, for U.S. Application No. 10/366,125 filed on February 12, 2003, 11 pages.	
	19.	U.S. Office Action mailed on October 18, 2005, for U.S. Application No. 10/366,125 filed on February 12, 2003, 29 pages.	
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Examiner Signature	/Stacy B. Chen/	Date Considered	12/18/2007
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				Application Number	10/526,860
				Filing Date	September 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	416272003600

/SBC/	21.	U.S. Office Action mailed on October 20, 2005, for U.S. Application No. 10/664,513 filed on September 16, 2003, 12 pages.	
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	25.	U.S. Office Action mailed on August 24, 2006, for U.S. Application No. 10/407,435 filed on April 4, 2003, 9 pages.	
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				Application Number	10/526,860
				Filing Date	September 4, 2003 (Intl.)
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1648
				Examiner Name	S. B. Chen
Sheet	1	of	1	Attorney Docket Number	416272003600

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/SBC/	1.	US-5,665,562-A	09-09-1997	Cook	

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/SBC/	2.	International Search Report and Written Opinion mailed October 11, 2007, for PCT Application No. PCT/US05/05660 filed February 22, 2005, 11 pages.	
/SBC/	3.	U.S. Office Action mailed on October 5, 2007, for U.S. Application No. 11/094,387 filed on March 29, 2005, 22 pages.	

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